

Title (en)
Fuel system valve assembly

Title (de)
Ventilanordnung eines Kraftstoffsystems

Title (fr)
Ensemble de soupape de système de carburant

Publication
EP 2644954 A1 20131002 (EN)

Application
EP 13159539 A 20130315

Priority
US 201213435677 A 20120330

Abstract (en)
A fuel system valve assembly may include a housing (38), a spring (40), and a body (44). The housing (38) may have a fuel passage defined in part or more by a fuel passage wall. The fuel passage wall may have a seat (60) and a cylindrical section (58). The cylindrical section (58) may have a constant diameter and may be located downstream of the seat (60). In use, the body (44) may reciprocate linearly in the housing (38) between an open position and a closed position. The body (44) may be biased to the closed position by the spring (40). The body (44) may abut the seat (60) when the body (44) is in the closed position.

IPC 8 full level
F16K 15/06 (2006.01)

CPC (source: EP KR US)
F02M 37/00 (2013.01 - KR); **F02M 37/04** (2013.01 - KR); **F02M 61/00** (2013.01 - KR); **F02M 63/00** (2013.01 - KR);
F16K 15/063 (2013.01 - EP US); **Y10T 137/7932** (2015.04 - EP US); **Y10T 137/7933** (2015.04 - EP US); **Y10T 137/86019** (2015.04 - EP US)

Citation (search report)

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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EP 2644954 A1 20131002; EP 2644954 B1 20170308; EP 2644954 B2 20201223; BR 102013007065 A2 20150707;
BR 102013007065 B1 20210810; CN 103362711 A 20131023; JP 2013213495 A 20131017; KR 102057140 B1 20200114;
KR 20130111346 A 20131010; US 2013256577 A1 20131003; US 9027594 B2 20150512

DOCDB simple family (application)
EP 13159539 A 20130315; BR 102013007065 A 20130326; CN 201310104291 A 20130328; JP 2013056082 A 20130319;
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